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(54) Title: **BIO-SURVEILLANCE SYSTEM**

(57) Abstract: A bio-surveillance system monitors symptoms or groups of symptoms experienced by people in a geographical area. The system tracks symptoms reported by calls to an emergency service dispatcher. The bio-surveillance system monitors the symptoms and associates the geographical location with the symptoms. Various triggers are programmed and stored in the system to look for certain types of threats. Each trigger is set based on a statistical variation of the historical data relating to the symptoms within a predetermined time in a predefined geographical area. When the reported symptoms exceed one of the triggers, an alert is activated to provide an indication of a potential biological or chemical terrorist attack.



**WO 2004/030512 A3**

# INTERNATIONAL SEARCH REPORT

Initial Application No

PCT/US 03/25967

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, EMBASE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GOLDENBERG A ET AL: "Early statistical detection of anthrax outbreaks by tracking over-the-counter medication sales"</p> <p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA</p> <p>16 APR 2002 UNITED STATES,</p> <p>vol. 99, no. 8,</p> <p>16 April 2002 (2002-04-16), pages</p> <p>5237-5240, XP002295601</p> <p>ISSN: 0027-8424</p> <p>page 5237, left-hand column, line 1 - page</p> <p>5240, right-hand column, line 40</p> <p>-----</p> <p>-/--</p>	1-30



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Z\* document member of the same patent family

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**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 01/73616 A (LOMBARDO JOSEPH S ; PINEDA FERNANDO J (US); BURKOM HOWARD S (US); LOISC) 4 October 2001 (2001-10-04) page 2, line 14 - page 3, line 28 page 5, line 15 - page 28, line 25 figures 3,14-18</p>	1-30
A	<p>WO 02/19246 A (CORWIN ANDREW LEE ; PUTRI MAIDY PRANATA (ID); SIMANJUNTAK CYRUS H (ID)) 7 March 2002 (2002-03-07)  page 4, line 5 - page 5, line 17 page 7, line 12 - page 13, line 4 figures 1,2,9-11,15,16</p>	1-8, 13-15, 22-25, 27,28
A	<p>US 5 911 132 A (SLOANE NEIL JAMES ALEXANDER) 8 June 1999 (1999-06-08)  column 1, line 41 - column 2, line 42 column 2, line 64 - column 8, line 67 figures 1-3</p>	1-8, 13-15, 22-25, 27,28
A	<p>LOBER W B ET AL: "Roundtable on bioterrorism detection: Information system-based surveillance" JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION 2002 UNITED STATES, vol. 9, no. 2, March 2002 (2002-03), pages 105-115, XP002295602 ISSN: 1067-5027 page 105, right-hand column, line 1 - page 115, left-hand column, line 14</p>	1,22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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US 5911132	A	08-06-1999	NONE	